



An Exelon Company

# Removal of the Quad Cities Remedial Action Scheme (RAS)

ComEd / Exelon Corporation  
Transmission Planning  
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## Quad Cities RAS

### ✓ Original Purpose

- Stability trip was installed to prevent instability for three-phase fault during a line outage
- Multi-line outage trip was installed to prevent thermal overloads during outages of multiple lines
- Described in ComEd System Planning Operating Guide (SPOG) 1-3-C and PJM Manual 3
- RAS is normally in-service. Multi-line trip can be disabled based on operating conditions

### ✓ RAS Action

- Trips Quad Cities Unit 2 for specified three-phase faults in combination with a line outage
- Trips Quad Cities Unit 2 and generation at TSS 940 Cordova for specified multiple line outages

## Quad Cities RAS Removal

- ✓ Analysis by ComEd and PJM has determined that RAS is no longer necessary to meet planning criteria.
  - Attributed to incremental reinforcements implemented since this RAS was first placed in service.
  - Stability is monitored in TSA by PJM Operations
- ✓ The Quad Cities RAS is planned to be disabled by year-end 2019 with physical removal completed in 2020.
- ✓ Reliability *First* has been informed of the RAS removal per RF RAS Review Procedure

**Questions?**